



Board of Directors

Operations Committee Meeting

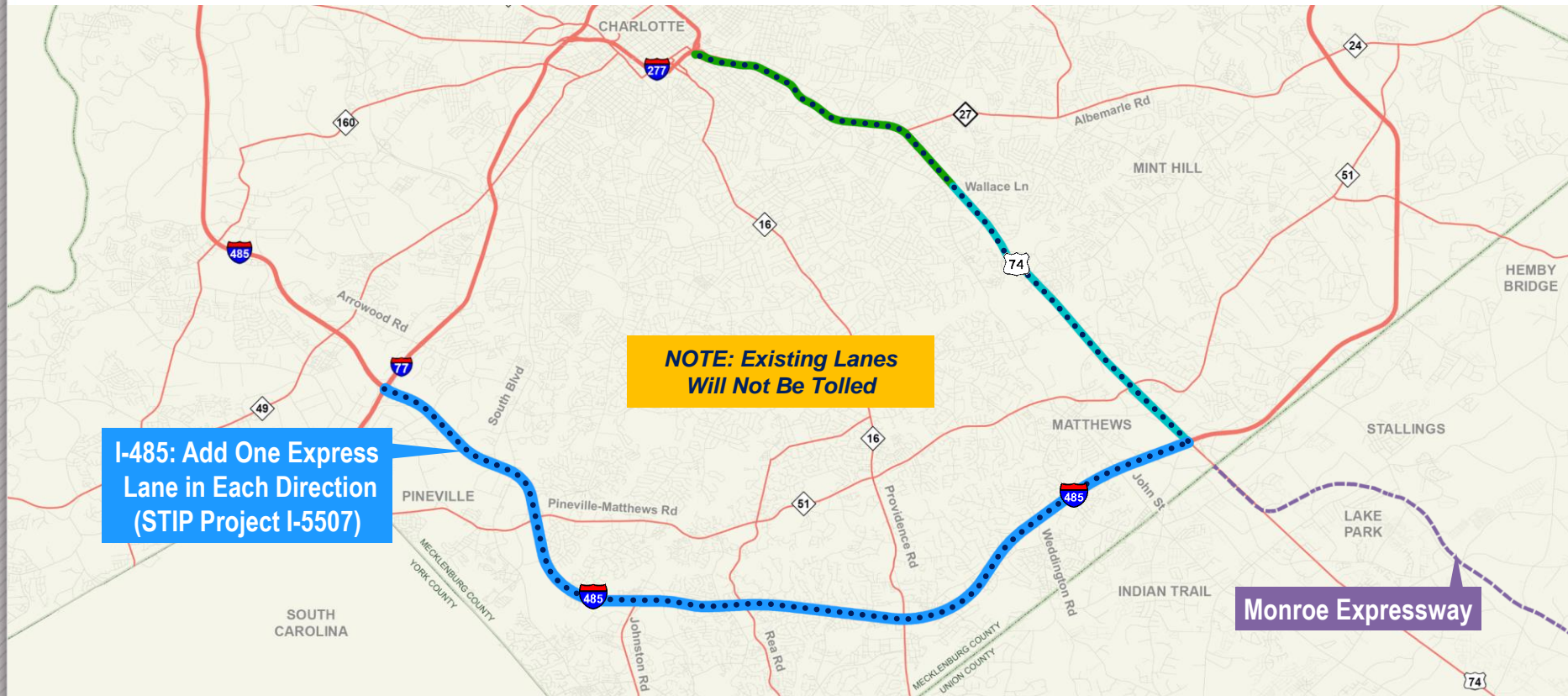
North Carolina Turnpike Authority

October 18, 2018

I-485 Express Lanes Project Update

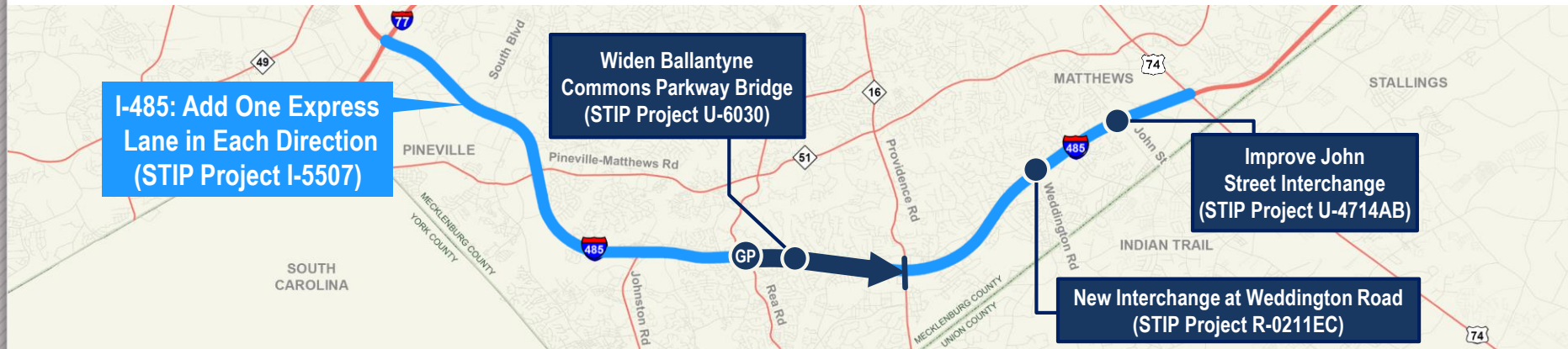
Rodger Rochelle, P.E.
Chief Engineer

I-485 Express Lanes



I-485 Express Lanes (I-5507)

- Add One Express Lane in Each Direction Between I-77 and U.S. 74
- Extend Third General Purpose Lane from Rea Road to Providence Road (Both Directions)
 - No tolls will be added to the existing and new general purpose lanes
- Combine Three Other Area Projects with I-485 Project



Status and Next Steps

I-5507 / R-0211EC / U-4714AB

Issue 1st Draft RFP	✓ February 2018
Issue 2nd Draft RFP	✓ March 2018
Issue Final RFP	✓ April 2018
Completion of Environmental Document	✓ August 2018
Technical Proposals and Price Proposals Due	✓ August 23, 2018
Open Price Proposals	✓ September 18, 2018
Begin Final Designs	Summer 2018
Start Construction	Summer 2019
Open to Traffic (anticipated)	2022

Design-Build Contract

- Engineers' Estimate \$349.988M
- Price Proposal from Apparent Low Bidder \$346M
- Date of Availability October 29, 2018
- Project Completion Date December 1, 2022
- Proposed Project Completion Date September 19, 2022

Complete 540 Design-Build Procurement Update

Rodger Rochelle, P.E.

Chief Engineer

Complete 540

- R-2721A
 - 4.3 mile new location
 - ~ 190 parcels
- R-2721B
 - 4.9 mile new location
 - ~ 210 parcels
- R-2828
 - 8.6 mile new location
 - ~ 250 parcels



Current Project Schedule

- Record of Decision: June 6, 2018
- Corridor Permit Application: Summer 2018
- Advertisement for ROW Acquisition Firm(s) September 4, 2018
(R-2721A & R-2721B)
- Right of Way Plans for R-2721A & R-2721B: Fall 2018
- Anticipate Permits: Late 2018/Early 2019
(phased for R-2828 & construction for R-2721A and R-2721B)
- Design-Build Contract Letting
 - R-2828: November 2018
 - R-2721B: February 2019
 - R-2721A: April 2019
 - R-2829: Future (2027)
- Complete Project Finance Early 2019

Status and Next Steps

	R-2828	R-2721B	R-2721A
Advertisement	✓ April 16	✓ July 2	✓ September 4
SOQ Due Date	✓ May 11	✓ July 31	✓ October 2
Shortlist Date	✓ May 24	✓ August 14	✓ October 18
Issue 1 st Draft RFP	✓ May 24	✓ August 14	✓ October 18
Debrief Teams	✓ Week of June 4	✓ Week of Aug. 27	Week of Oct. 29
1 st Meeting with Teams	✓ June 7	✓ August 28	November 1
Issue 2 nd Draft RFP	✓ June 19	✓ August 31	November 20
2 nd Meeting with Teams	✓ July 10	✓ September 25	December 6
Issue 3 rd Draft RFP	✓ July 19	✓ October 9	December 20
3 rd Meeting with Teams	✓ August 7	October 23	January 8, 2019

Status and Next Steps

	R-2828	R-2721B	R-2721A
Issue Final RFP	✓ August 14	November 6	January 22, 2019
Technical Proposals Due	October 30	January 29, 2019	March 27, 2019
Price Proposals Due	November 14	February 12, 2019	April 10, 2019
Open Price Proposals	November 20	February 19, 2019	April 16, 2019

Questions?

I-77 Express Lanes Project Update

Rodger Rochelle, P.E.
Chief Engineer

I-77 Project Update

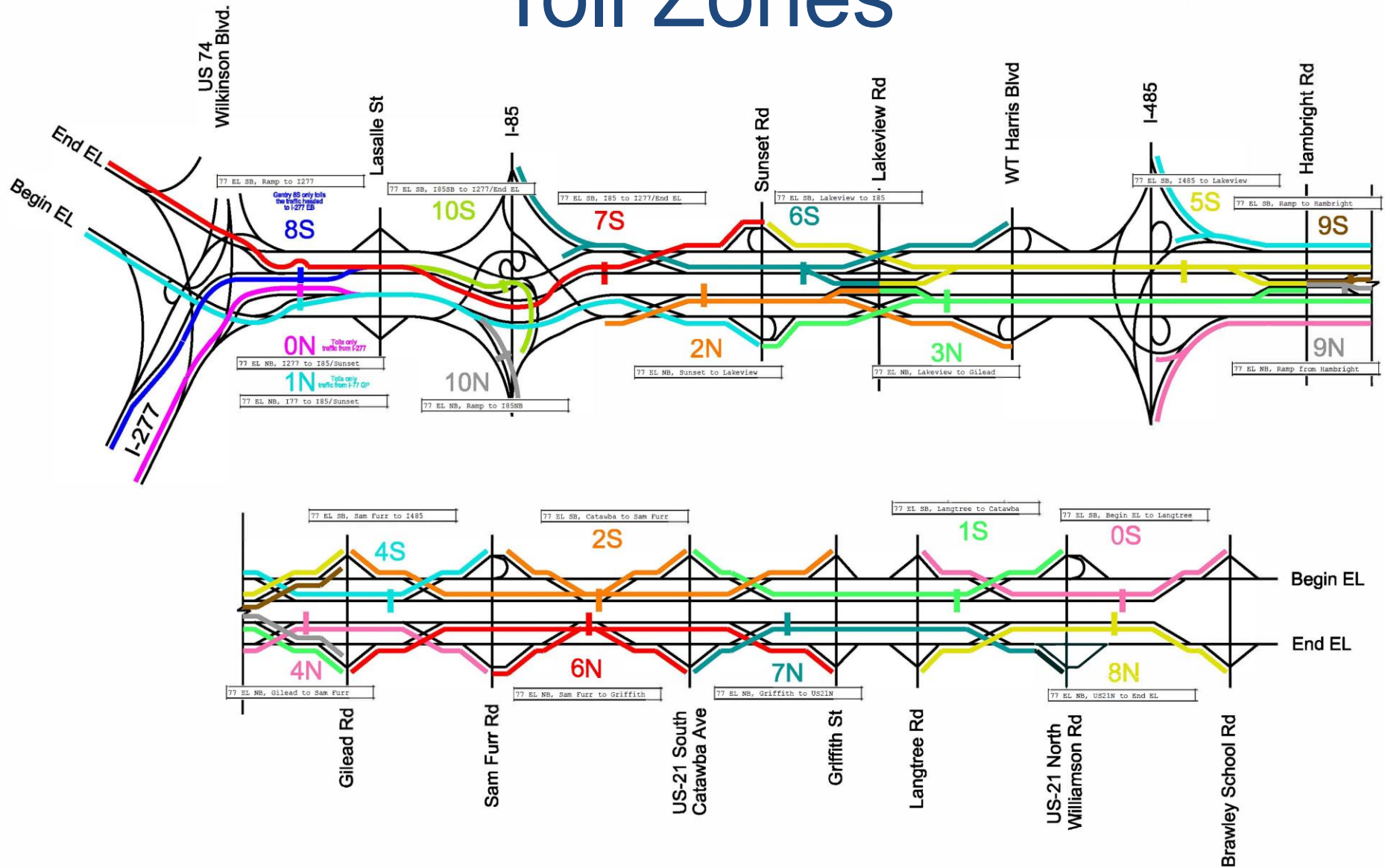
- ❖ Toll Rate Schedule
- ❖ Pending Amendment

Toll Rate Schedule

Excerpt from ETC Schedule for Toll Segment 2N

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
5:00 AM	\$0.35	\$0.35	\$0.35	\$0.35	\$0.35	\$0.35	\$0.35
5:30 AM	\$0.35	\$0.45	\$0.45	\$0.45	\$0.45	\$0.45	\$0.35
6:00 AM	\$0.35	\$0.45	\$0.45	\$0.45	\$0.45	\$0.45	\$0.35
6:30 AM	\$0.35	\$0.60	\$0.60	\$0.60	\$0.60	\$0.60	\$0.35
7:00 AM	\$0.35	\$0.60	\$0.60	\$0.60	\$0.60	\$0.60	\$0.35
7:30 AM	\$0.35	\$0.60	\$0.60	\$0.60	\$0.60	\$0.60	\$0.35
8:00 AM	\$0.35	\$0.60	\$0.60	\$0.60	\$0.60	\$0.60	\$0.35
8:30 AM	\$0.35	\$0.60	\$0.60	\$0.60	\$0.60	\$0.60	\$0.35
9:00 AM	\$0.35	\$0.55	\$0.55	\$0.55	\$0.55	\$0.55	\$0.35
9:30 AM	\$0.35	\$0.55	\$0.55	\$0.55	\$0.55	\$0.55	\$0.35
10:00 AM	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50
10:30 AM	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50
11:00 AM	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50
11:30 AM	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50
12:00 PM	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50
12:30 PM	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50
1:00 PM	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50
1:30 PM	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50
2:00 PM	\$0.50	\$0.55	\$0.55	\$0.55	\$0.55	\$0.55	\$0.50
2:30 PM	\$0.50	\$0.55	\$0.55	\$0.55	\$0.55	\$0.55	\$0.50
3:00 PM	\$0.50	\$0.60	\$0.60	\$0.60	\$0.60	\$0.60	\$0.50
3:30 PM	\$0.50	\$0.60	\$0.60	\$0.60	\$0.60	\$0.60	\$0.50
4:00 PM	\$0.50	\$0.60	\$0.60	\$0.60	\$0.60	\$0.60	\$0.50
4:30 PM	\$0.50	\$0.60	\$0.60	\$0.60	\$0.60	\$0.60	\$0.50
5:00 PM	\$0.50	\$0.60	\$0.60	\$0.60	\$0.60	\$0.60	\$0.50
5:30 PM	\$0.50	\$0.60	\$0.60	\$0.60	\$0.60	\$0.60	\$0.50
6:00 PM	\$0.50	\$0.60	\$0.60	\$0.60	\$0.60	\$0.60	\$0.50
6:30 PM	\$0.50	\$0.60	\$0.60	\$0.60	\$0.60	\$0.60	\$0.50
7:00 PM	\$0.50	\$0.45	\$0.45	\$0.45	\$0.45	\$0.45	\$0.50

Toll Zones



Pending Amendment

NCDOT, with help from NCTA, is amending the contract with the Private Partner to change how tolls are processed and customer service is handled

Provides for consistent customer service across all projects

One-time public funds adjustment of \$6.98M, within original budget funds

Pending Amendment

Revises Compensation Structure

- NCTA receives modified fee for processing each transaction
- NCTA receives difference between the transponder rate and the video rate for all Bill by Mail transactions
- NCTA receives all processing fees
- Private partner maintains toll revenue risk
- NCDOT retains toll collection risk

Pending Amendment

Improves Customer Service

- NCTA will handle all customer information, accounts and interaction
- Private partner will no longer have influence on pursuit of tolls from customers
- Provide customers a first call resolution with a one stop shop

Increases Efficiency

- Removes complex reconciliation process
- Provides for consistent billing across all projects
- Provides new flexibility to NCDOT in setting the video toll rate differential

Pending Amendment

Allows for New Customer-Friendly Technologies

- Provides new ways for customers to take advantage of free HOV travel
- Allows all NC Quick Pass transponders to be used to set HOV status with a new mobile application
- Allows North Carolina to be the first state to offer customers a no-cost transponder to take advantage of the app to set HOV status

Questions?

Toll Operations Update

Andy Lelewski, P.E.

Director of Toll Operations

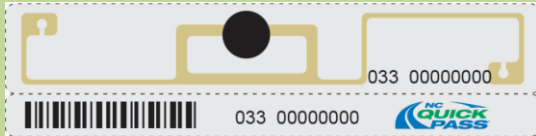
New Account Types/Plans

Account Type	Plan	Payment
Personal	Standard (<i>max 5 transponders</i>)	Prepaid
	Motorcycle	Prepaid
Business	Standard	Prepaid
	Government	Postpaid
	Transit	Postpaid
	First Responder (<i>Non-Revenue</i>)	n/a
HOV	HOV	n/a

 New account type/plan

*NC Quick Pass transponders will be required for all account types and plans

New Transponders

Transponder		Cost to Customer
Standard		FREE
Headlamp		FREE
First Responder*		FREE
Transit*		FREE

 New transponder

**Not available to public, NCTA approval required*

New Transponders

Transponder	Cost to Customer
E-ZPass (Interior) 	\$7.40 +tax
E-ZPass (Front Bumper Mount) 	\$13.49 +tax
E-ZPass Flex (Switchable) 	\$16.49 +tax

 New transponder

I-77 Express Lanes Exempt Vehicles



Registered Motorcycles

Travel in the I-77 Express Lanes *for free* with an NC Quick Pass transponder



High Occupancy Vehicles

Travel in the I-77 Express Lanes *for free* with:

- **NC Quick Pass** transponder;
- **Three** or more people in the vehicle;
- **Set** HOV3+ status; and
- **Class 1** (two-axle) vehicle.

**HOV3+ RIDES
FOR FREE!**



Registered Transit Vehicles

Travel in the I-77 Express Lanes *for free* with an NC Quick Pass transponder

Two Options to Set HOV3+ Status

- 1 **NC Quick Pass E-ZPass Flex**
Set HOV3+ status directly from the transponder



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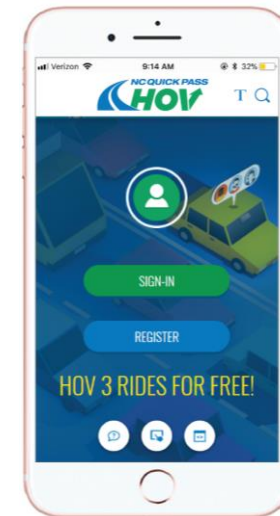
- 2 **NC Quick Pass HOV - Mobile Application/Website (Coming Soon)**
 Use the app/website with any NC Quick Pass transponder to set HOV3+ status



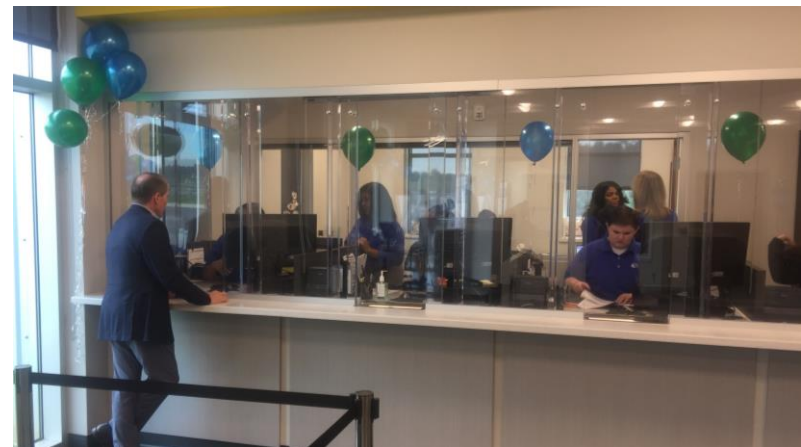
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New Customer Service Centers



Charlotte Area Outreach

- Municipalities
- Community Events
- First Responders
- Businesses
- Fleet



Media/Advertising Campaign

- Campaign will run through the end of 2018
 - Digital marketing
 - Direct mailers
 - Print advertisements
 - Radio advertisements
 - Partnership with Carolina Panthers

Monroe Expressway System Readiness

[illegible]

Intelligent Transportation System

- Installation ends on 10/31
- Testing 10/29 – 11/26
- Training 10/29 – 11/09

Back Office System Readiness

Milestone	Scope	Planned Completion Date	Status
Monroe-BOS System Integration testing	Test data flow from one system to another	11/2/2018	In progress
Deploy code to Production	Code migration, VPNs from pre-prod to Prod	BOS - 11/7/2018 RTCS – 11/4/2018	Not started
End-to-end Testing	Drive through the gantries with real vehicles in Production	11/19/2018	Not started
Disaster Recovery Testing	Ensure all backup/failover works for all vendor systems	RTCS – 10/17/2018 BOS - 11/19/2018	RTCS – In progress BOS – Not started
Road open to public		11/27/2018	

Triangle Expressway 2019 Toll Rates

David Roy

NCTA Director of Finance

Toll Rate Schedule

**136-89.183
Powers of the
Authority**

**Toll Rate Policy
adopted
September 17, 2008**

Scheduled Average Toll Rate Increases	
Before 2017	5.0%
2017 – 2021	3.5%
2022 – 2036	3.0%
After 2036	2.0% or less

3.5% increase scheduled to take effect January 1, 2019

2019 Toll Rates

		TO										
		Begin Toll 147 - TOLL NC-147 at I-40	Exit 3/2 - Hopson Road / Davis Dr	Begin Toll 540 - TOLL NC-540 at NC-54	Exit 69 - Chapel Hill Rd/NC-54	Exit 66 - NC-55	Exit 62 - Green Level West Rd	Exit 59 - US-64	Exit 57 - Old US Hwy 1/S Salem St	Exit 56 - US-1	Exit 55 - Veridea Parkway	Exit 54 - NC-55
FROM	Begin Toll 147 - TOLL NC-147 at I-40		\$0.38	\$0.84	\$0.84	\$1.05	\$1.89	\$2.36	\$2.93	\$2.93	\$3.22	\$3.37
	Exit 3/2 - Hopson Road / Davis Dr	\$0.38		\$0.84	\$0.84	\$1.05	\$1.89	\$2.36	\$2.93	\$2.93	\$3.22	\$3.37
	Begin Toll 540 - TOLL NC-540 at NC-54	\$0.84	\$0.84			\$0.67	\$1.51	\$1.98	\$2.55	\$2.55	\$2.84	\$2.99
	Exit 69 - Chapel Hill Rd/NC-54	\$0.84	\$0.84			\$0.67	\$1.51	\$1.98	\$2.55	\$2.55	\$2.84	\$2.99
	Exit 66 - NC-55	\$1.05	\$1.05	\$0.67	\$0.67		\$0.84	\$1.31	\$1.88	\$1.88	\$2.17	\$2.32
	Exit 62 - Green Level West Rd	\$1.89	\$1.89	\$1.51	\$1.51	\$0.84		\$0.47	\$1.04	\$1.04	\$1.33	\$1.48
	Exit 59 - US-64	\$2.36	\$2.36	\$1.98	\$1.98	\$1.31	\$0.47		\$1.04	\$1.04	\$1.33	\$1.48
	Exit 57 - Old US Hwy 1 / S. Salem St	\$2.93	\$2.93	\$2.55	\$2.55	\$1.88	\$1.04	\$1.04		\$0.26	\$0.55	\$0.70
	Exit 56 - US-1	\$2.93	\$2.93	\$2.55	\$2.55	\$1.88	\$1.04	\$1.04	\$0.26		\$0.29	\$0.44
	Exit 55 - Veridea Parkway	\$3.22	\$3.22	\$2.84	\$2.84	\$2.17	\$1.33	\$1.33	\$0.55	\$0.29		\$0.44
	Exit 54 - NC-55	\$3.37	\$3.37	\$2.99	\$2.99	\$2.32	\$1.48	\$1.48	\$0.70	\$0.44	\$0.44	

2019 Operations Committee Meeting Dates

Montell Irvin, P.E.

Chair

2019 Meeting Dates

Operations Committee

January 17th

March 21st

April 18th

June 20th

July 18th

September 19th

October 17th

December 19th

Full Board

February 7th

May 2nd

August 8th

November TBD

*All meetings at 10:30am

Thank you!